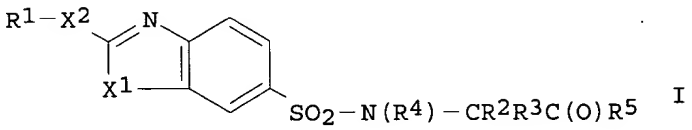
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077092	A1	20011018	WO 2001-KR585	20010407

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: KR 2000-18327 A 20000407
KR 2000-18328 A 20000407
KR 2000-18431 A 20000408

GI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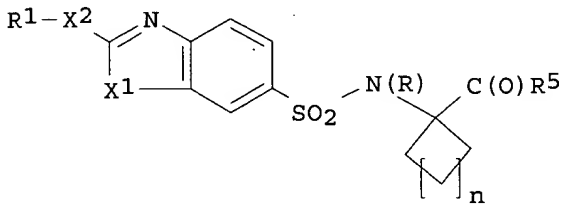
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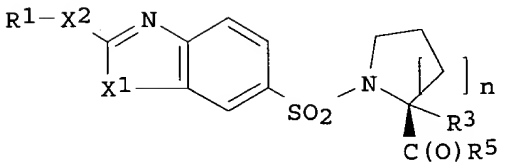
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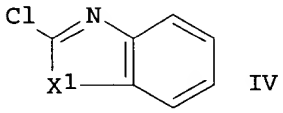

IV

AB The present invention provides novel sulfonamide derivs. (I (e.g. (2R)-3-methyl-2-[(2-phenylthiobenzothiazole-6-sulfonyl)amino]butanoic acid Me ester), II (n = 0-4) and III (n = 0-4)), useful as an inhibitors of matrix metalloproteinase (MMP), its isomers, **pharmaceutically** acceptable salts thereof and a process for prepg. the same. Since the sulfonamide derivs. of the present invention selectively inhibit MMP activity in vitro, the MMP inhibitors comprising the sulfonamide derivs. as an effective ingredient can be practically applied for the prevention and treatment of all sorts of diseases caused by overexpression and overactivation of MMP. In I: R1 denotes H, C1-12 alkyl, carbocyclic

aryl-lower alkyl, C3-7 cycloalkyl, C3-7 cycloalkyl-lower alkyl, (oxo, amino or thio) C3-7 cycloalkyl, (oxo, amino or thio) C3-7 cycloalkyl-lower alkyl, C2-12 lower alkenyl, C2-12 lower alkynyl, carbocyclic aryl, heterocyclic aryl, heterocyclic aryl-lower alkyl, biaryl, halo lower alkyl, biaryl-lower alkylarylalkyl, hydroxy-lower alkyl, alkoxyalkyl, acyloxy-lower alkyl, alkyl or aryl (thio, sulfinyl or sulfonyl) lower alkyl, (amino, mono or dialkylamino) lower alkyl, acylamino lower alkyl, (N-lower alkylpiperazino, or N-carbocyclic or heterocyclic aryl-lower alkylpiperazino)-lower alkyl or (morpholino, thiomorpholino, piperidino, pyrrolidino or piperidyl)-lower alkyl. R2 denotes H, lower alkyl, carbocyclic aryl-lower alkyl, C1-4 carbocyclic aryl-lower alkyl, C1-4 heterocyclic aryl-lower alkyl, C1-5 alkoxyphenyl-lower alkyl, C1-5 alkenoxyphenyl-lower alkyl, C1-5 alkynoxyphenyl-lower alkyl, heterocyclic aryl-lower alkyl, hydroxy-lower alkyl, alkoxyalkyl, acyloxy-lower alkyl, thio-lower alkyl, alkyl or aryl-(thio, sulfinyl or sulfonyl) lower alkyl, (amino, mono or dialkylamino) lower alkyl, carboxy-lower alkyl, (amino, mono or dialkylamino) lower alkyl or acylamino lower alkyl. R3 denotes H or C1-6-lower alkyl. R4 denotes H, C1-12 alkyl, C3-7 cycloalkyl, C3-7 cycloalkyl-lower alkyl, (oxo, amino or thio) C3-7 cycloalkyl, (oxo, amino or thio) C3-7 cycloalkyl-lower alkyl, carbocyclic aryl, carbocyclic aryl-lower alkyl, heterocyclic aryl, heterocyclic aryl-lower alkyl, biaryl, biaryl-lower alkyl, halo lower alkyl, hydroxy-lower alkyl, alkoxyalkyl, acyloxy-lower alkyl, alkyl or aryl-(thio, sulfinyl or sulfonyl) lower alkyl, (amino, mono or dialkylamino) lower alkyl, acylamino lower alkyl, carboxy lower alkyl, (N-lower alkylpiperazino, or N-carbocyclic or heterocyclic aryl piperazino)-lower alkyl or (morpholino, thiomorpholino, piperidino, pyrrolidino or piperidyl)-lower alkyl. R5 denotes hydroxy, alkoxy, halogen, thiol, thioalkoxy or hydroxylamine. X1 and X2 denote N-R7 (R7 is H, C1-6-lower alkyl, aryl, heteroaryl or arylalkyl), S or O. I can be prepd. by (i) reacting a sulfonyl halide with H2NCR2R3CO2R6 (R6 = protecting group) in an org. solvent in the presence of a base to give a sulfonamide; (ii) replacing the H on N using R4-L (L = reactive leaving group) in an org. solvent in the presence of a base; and (iii) hydrolyzing the intermediate to give I (R5 = OH), or further condensing I (R5 = OH) to prep. I (R5 = NHOH). Alternatively, I can be prepd. by (i) chlorosulfonylating IV; (ii) reacting this intermediate with an amino acid deriv. in an org. solvent in the presence of base to give a sulfonamide; (iii) heating this intermediate and R1-X2H together at 70 to 80.degree. in an org. solvent in the presence of base to cause substitution for Cl; (iv) reacting this intermediate with R4-L (L = reactive leaving group) in an org. solvent in the presence of base to cause substitution for H on N; and, (v) hydrolyzing this intermediate into I (R5 = OH), or further condensing I (R5= OH) to prep. I (R5 = NHOH). .apprx.70 Example prepns. of intermediates and products are given. Inhibition rates for some of the claimed compds. are reported for gelatinase A (MMP-2), gelatinase B (MMP-9) and collagenase (MMP-1).

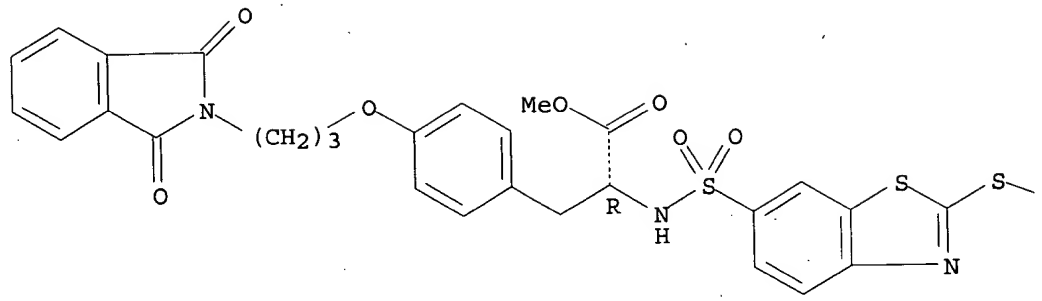
IT **367517-49-5P**, (2R)-2-[[2-(4-Methoxyphenylthio)benzothiazole-6-sulfonyl]amino]-3-[4-(3-phthalimidopropyl)oxyphenyl]propionic acid methyl ester
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of benzimidazole-, benzoxazole- and benzothiazolesulfonamide amino acid derivs. as selective matrix metalloproteinase inhibitors)

RN 367517-49-5 CA

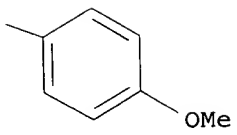
CN D-Tyrosine, O-[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]-N-[[2-[(4-methoxyphenyl)thio]-6-benzothiazolyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



IT **367517-49-5P**, (2R)-2-[[2-(4-Methoxyphenylthio)benzothiazole-6-sulfonyl]amino]-3-[4-(3-phthalimidopropyl)oxyphenyl]propionic acid methyl ester **367517-50-8P**, (2R)-2-[[2-(4-Methoxyphenylthio)benzothiazole-6-sulfonyl]amino]-3-[4-(3-phthalimidopropyl)oxyphenyl]propionic acid RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of benzimidazole-, benzoxazole- and benzothiazolesulfonamide amino acid derivs. as selective matrix metalloproteinase inhibitors)

REFERENCE COUNT: 5
REFERENCE(S):
(1) Du Pont Pharm Co; WO 9941246 A 1999 CA
(2) Monsanto Co; WO 9803166 A 1998 CA
(3) Pfizer Prod Inc; WO 9952862 A 1999 CA
(4) Warner Lambert Co; WO 9809934 A 1998 CA
(5) Zeneca Ltd; WO 9807742 A 1998 CA

L11 ANSWER 2 OF 4 CA COPYRIGHT 2001 ACS
ACCESSION NUMBER: 134:71498 CA
TITLE: Preparation of heterocyclyl substituted benzenesulfonamides and pyridinesulfonamides for the modulation of PPAR.gamma. activity
INVENTOR(S): McGee, Lawrence R.; Houze, Jonathan B.; Rubenstein, Steven M.; Hagiwara, Atsushi; Furukawa, Noboru; Shinkai, Hisashi
PATENT ASSIGNEE(S): Tularik Inc., USA; Japan Tobacco Inc.
SOURCE: PCT Int. Appl., 232 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

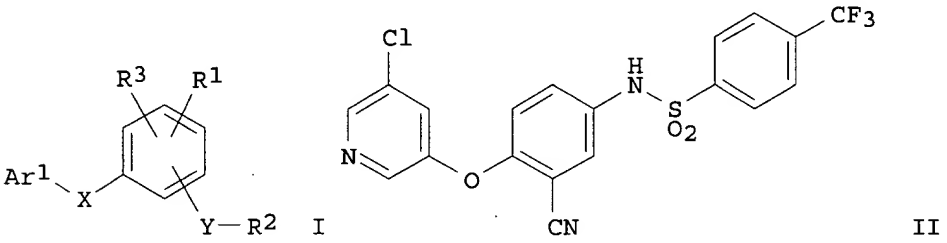
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001000579	A1	20010104	WO 2000-US18178	20000628

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

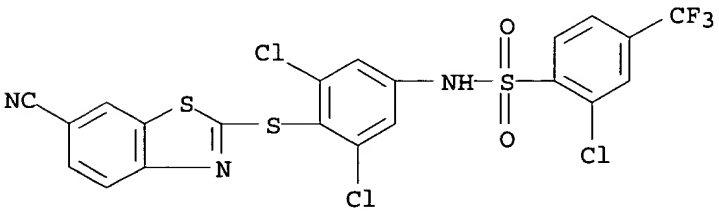
PRIORITY APPLN. INFO.: US 1999-141672 P 19990630
OTHER SOURCE(S): MARPAT 134:71498
GI



AB The title compds. [I; Ar1 = (un)substituted aryl; X = alkylene, O, alkylenoxy, etc.; Y = alkylene, O, CO, etc.; R1 = H, heteroalkyl, aryl, halo, etc.; R2 = (un)substituted aryl; R3 = halo, CN, NO2, alkoxy] which are modulators of PPAR.gamma. activity and therefore are useful for the treatment of conditions such as type II **diabetes** and obesity, were prepd. E.g., a multi-step synthesis of the benzenesulfonamide II which showed IC50 of < 1 .mu.M against PPAR.gamma. binding, was given.

IT **315225-25-3P**
RL: BAC (Biological activity or effector, except adverse); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclyl substituted benzenesulfonamides and pyridinesulfonamides for the modulation of PPAR.gamma. activity)

RN 315225-25-3 CA
CN Benzenesulfonamide, 2-chloro-N-[3,5-dichloro-4-[(6-cyano-2-benzothiazolyl)thio]phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

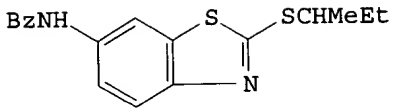


IT **315225-25-3P 315225-29-7P 315225-31-1P**
RL: BAC (Biological activity or effector, except adverse); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclyl substituted benzenesulfonamides and pyridinesulfonamides for the modulation of PPAR.gamma. activity)

IT **315222-46-9P 315222-47-0P 315222-49-2P**
315222-51-6P 315222-53-8P 315222-55-0P
315222-57-2P 315222-59-4P 315222-61-8P
315222-63-0P 315222-65-2P 315222-67-4P
315222-69-6P 315222-70-9P 315222-72-1P
315222-74-3P 315222-76-5P 315222-77-6P
315222-78-7P 315222-80-1P 315222-82-3P
315222-83-4P 315222-84-5P 315222-86-7P
315222-88-9P 315222-90-3P 315222-92-5P
315222-94-7P 315222-96-9P 315222-98-1P
315223-00-8P 315225-00-4P 315225-02-6P
315225-04-8P 315225-05-9P 315225-06-0P
315225-08-2P 315225-09-3P 315225-10-6P
315225-11-7P 315225-12-8P 315225-13-9P
315225-14-0P 315225-16-2P 315225-18-4P
315225-19-5P 315225-21-9P 315225-23-1P
315225-27-5P 315225-33-3P 315225-35-5P
315225-37-7P 315225-39-9P 315225-41-3P
315225-43-5P 315225-45-7P 315225-47-9P
315225-49-1P 315225-51-5P 315225-91-3P
315225-93-5P 315225-95-7P 315225-97-9P
315225-99-1P 315226-01-8P 315226-03-0P
315226-05-2P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclyl substituted benzenesulfonamides and pyridinesulfonamides for the modulation of PPAR.gamma. activity)

REFERENCE COUNT: 33
REFERENCE(S):
(1) Baguley, B; CA
(2) Baguley, B; EUR J CANCER CLIN ONCOL 1988, V24(2), P205 CA
(3) Bayer Ag; EP 0261539 A 1988 CA
(4) Bridges, A; WO 9906378 A 1999 CA
(5) Burmistrov, K; CA
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 4 CA COPYRIGHT 2001 ACS
ACCESSION NUMBER: 111:4058 CA
TITLE: Relationships between the chemical structures of **drugs** and their antimycobacterial activity against atypical strains. II. 6-Acylamido-2-alkylthiobenzothiazoles, quantitative structure-spectrum of activities analysis
AUTHOR(S): Machacek, Milos; Kunes, J.; Sidoova, E.; Odlerova, Z.; Waisser, K.
CORPORATE SOURCE: Farm. Fak., Univ. Karlovy, Hradec Kralove, 50165, Czech.
SOURCE: Cesk. Farm. (1989), 38(1), 9-15
CODEN: CKFRAY; ISSN: 0009-0530
DOCUMENT TYPE: Journal
LANGUAGE: Czech
GI



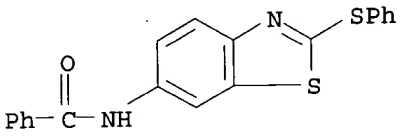
I

AB Forty-six 6-acylamido-2-alkylthiobenzothiazoles were tested in vitro for antimicrobial activity to Mycobacterium. The logarithms of the min. inhibitory concns. are shown. The relationships between chem. structure and activity were studied by the Free-Wilson method. The contributions of the substituents in positions 2 and 6 and the contribution of the common benzothiazole part to the activity are shown. Total antimycobacterial activity was increased by alkyl radicals branched in position 1' or 2', a cyclopentyl group bound to the S atom in position 2, and an o-chlorobenzamide group in position 6. 6-Benzamido-2-(sec-butyl)thiobenzothiazole (I) is a very effective **drug**.

IT **120912-32-5**
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tuberculostatic activity of)

RN 120912-32-5 CA

CN Benzamide, N-[2-(phenylthio)-6-benzothiazolyl]- (9CI) (CA INDEX NAME)



IT **120912-32-5 120912-33-6**
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tuberculostatic activity of)

L11 ANSWER 4 OF 4 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 108:94553 CA

TITLE: Preparation of benzimidazoles, benzoxazoles, and benzothiazoles as gastric acid secretion inhibitors

INVENTOR(S): Cox, David; Hall, David Edward; Ingall, Anthony Howard; Suschitzky, John Louis

PATENT ASSIGNEE(S): Fisons PLC, UK

SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 220053	A2	19870429	EP 1986-307962	19861015
EP 220053	A3	19880210		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FI 8604138	A	19870417	FI 1986-4138	19861014
US 4851419	A	19890725	US 1986-918832	19861014

DK 8604933	A	19870417	DK 1986-4933	19861015
NO 8604110	A	19870421	NO 1986-4110	19861015
NO 167569	B	19910812		
NO 167569	C	19911120		
JP 62135462	A2	19870618	JP 1986-243304	19861015
ZA 8607827	A	19870729	ZA 1986-7827	19861015
AU 8664169	A1	19870430	AU 1986-64169	19861016
AU 599607	B2	19900726		
IL 80339	A1	19930610	IL 1986-80339	19861016

PRIORITY APPLN. INFO.:

GB 1985-25452	19851016
GB 1985-25454	19851016
GB 1986-21768	19860910

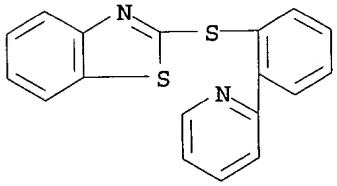
GI For diagram(s), see printed CA Issue.

AB The title heterocycles [I; R = Q; n = 1; y = 0, 1; adjacent pairs of R1-R8 = (CH2)x (x = 3-5), 6-membered carbocylic or N-contg. heterocyclic ring; ring A represents a benzene or 5- or 6-membered, N- or S-contg. heterocyclic ring; L = bond or group contg. 1 or 2 C atoms; R1-R8 = H, halo, PhO, (fluoro)alkyl, alkanoyl, PhCO, NO2, (substituted) NH2, CO2H, ester or amide residue, (phenyl)alkoxy, R10S(O)p; p = 0-2; R10 = H, (alkyl)phenyl, (phenyl)alkyl; R9 = (substituted) NH2, cyclic amino; X = S, O, (substituted) NH], useful as cytoprotective agents in the treatment of **inflammatory** conditions and/or prevention or inhibition of gastric acid secretion (no data), were prepd. Methylation of (2-H2NC6H4S)2 with (MeO)2SO2 in H2O contg. NaHCO3, followed by redn. with LiAlH4 in THF, gave 2-Me2NC6H4SH which was condensed with 2-chlorobenzimidazole in DMF at 80.degree. for 1 h to give, after oxidn. with m-ClC6H4C(O)OOH, (phenylsulfonyl)benzimidazole II. Pellet, capsule and granule formulations contg. I are described.

IT **112903-43-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and oxidn. of)

RN 112903-43-2 CA

CN Benzothiazole, 2-[[2-(2-pyridinyl)phenyl]thio]- (9CI) (CA INDEX NAME)



IT **112903-43-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and oxidn. of)

IT **112951-73-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as cytoprotective agent, for treatment of ulcers and **inflammation**)

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=> s l3
L12 12 L3

=> d ibib abs fhitstr hitrn 1-12

L12 ANSWER 1 OF 12 USPATFULL

ACCESSION NUMBER: 1999:159741 USPATFULL
TITLE: Photothermographic material
INVENTOR(S): Inagaki, Yoshio, Kanagawa, Japan
Tsuzuki, Hirohiko, Kanagawa, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

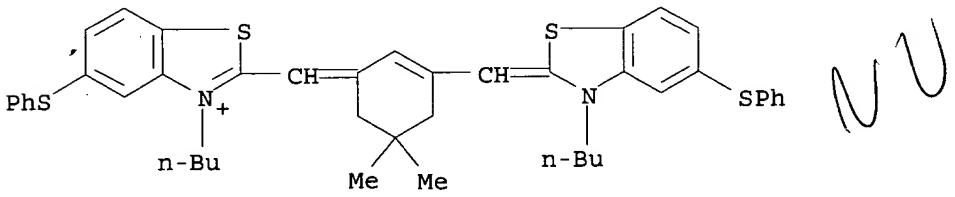
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5998125		19991207	
APPLICATION INFO.:	US 1997-949694		19971015	(8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1996-293332	19961015

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Chea, Thorl
LEGAL REPRESENTATIVE: Birch, Stewart, Kolasch & Birch, LLP
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 1367
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A photothermographic material comprising at least one layer containing photosensitive silver halide grains on a support further contains a mono-, tri- or penta-methine cyanine dye having a thienyl or arylthio substituent. The material shows low fog, high sensitivity, and improved age stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **208125-68-2**
(thermally developable silver halide photog. emulsion contg. cyanine sensitizer dye with low fog)
RN 208125-68-2 USPATFULL
CN Benzothiazolium, 3-butyl-2-[[3-[[3-butyl-5-(phenylthio)-2(3H)-benzothiazolylidene]methyl]-5,5-dimethyl-2-cyclohexen-1-ylidene]methyl]-5-(phenylthio)-, iodide (9CI) (CA INDEX NAME)



● I⁻

IT **208125-68-2 208125-69-3**
(thermally developable silver halide photog. emulsion contg. cyanine sensitizer dye with low fog)

L12 ANSWER 2 OF 12 USPATFULL
ACCESSION NUMBER: 1999:106286 USPATFULL
TITLE: Photothermographic material
INVENTOR(S): Inagaki, Yoshio, Ashigara, Japan

Oya, Toyohisa, Ashigara, Japan
Kobayashi, Katsumi, Ashigara, Japan
Tsuzuki, Hirohiko, Ashigara, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5948608		19990907
APPLICATION INFO.:	US 1997-840715		19970425 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1996-105788	19960425

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Chea, Thorl
LEGAL REPRESENTATIVE: Birch, Stewart, Kolasch & Birch, LLP
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 1365
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

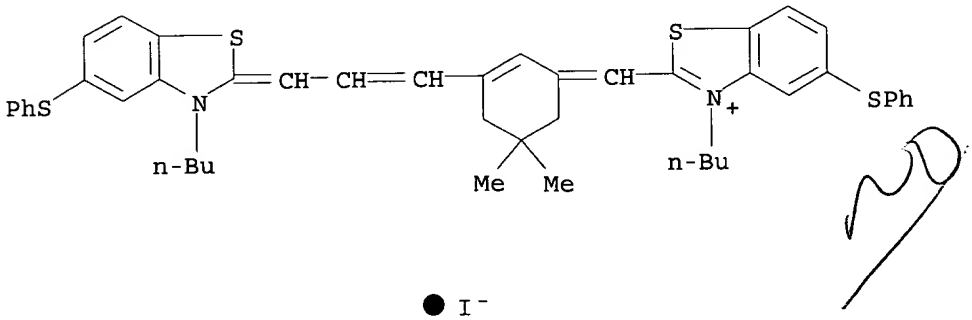
AB A photothermographic material comprising light-sensitive silver halide grains, with the photosensitive material further comprising a heptamethine cyanine dye containing at least one arylthio or thienyl group as substituent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **200401-13-4**
(heat-developable photosensitive material contg. heptamethinecyanine dye)

RN 200401-13-4 USPATFULL

CN Benzothiazolium, 3-butyl-2-[[3-[3-[3-butyl-5-(phenylthio)-2(3H)-benzothiazolylidene]-1-propenyl]-5,5-dimethyl-2-cyclohexen-1-ylidene]methyl]-5-(phenylthio)-, iodide (9CI) (CA INDEX NAME)



IT **200401-13-4 200401-15-6**
(heat-developable photosensitive material contg. heptamethinecyanine dye)

IT **199457-89-1P**
(heat-developable photosensitive material contg. heptamethinecyanine dye)

L12 ANSWER 3 OF 12 USPATFULL
ACCESSION NUMBER: 1998:119159 USPATFULL
TITLE: Inhibitors of amyloid beta-protein production

INVENTOR(S): Heinz, Lawrence J., Pittsboro, IN, United States
Panetta, Jill A., Zionsville, IN, United States
Phillips, Michael L., Indianapolis, IN, United States
Reel, Jon K., Carmel, IN, United States
Shadle, John K., Fishers, IN, United States
Simon, Richard L., Greenwood, IN, United States
Whitesitt, Celia A., Greenwood, IN, United States
PATENT ASSIGNEE(S): Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5814646		19980929	
APPLICATION INFO.:	US 3981886		19950302	(8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rotman, Alan L.
ASSISTANT EXAMINER: Mach, D. Margaret M.
LEGAL REPRESENTATIVE: Palmberg, Arleen, Boone, David E.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 1610
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of protecting a warm-blooded mammal from the progression of Alzheimer's disease, which comprises administering an effective amount of a compound of general formula. ##STR1## in which: R.sup.1 represents an optionally substituted aromatic or heteroaromatic group;

L.sup.1 and L.sup.2 each independently represents a bond or an unbranched (1-4C) alkylene group, which alkylene group may optionally bear a (1-4C) alkyl, phenyl or phenyl (1-2C) alkyl substituent;

one of Y.sup.1 and Y.sup.2 represents NR.sup.3 and the other represents O, S or NR.sup.3, in which R.sup.3 represent hydrogen, hydroxyl, (1-4C) alkoxy, (1-4C) alkyl or di (1-4C) alkylamino;

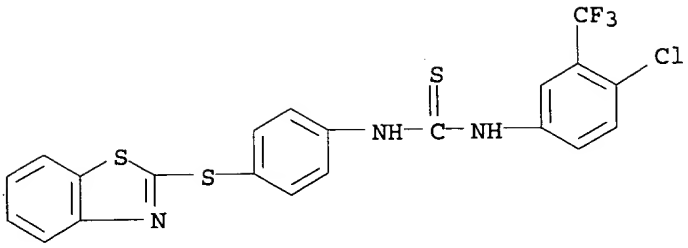
Z represents O or S; and

R.sup.2 represents (3-8C) cycloalkyl, heterocyclyl, and optionally substituted aromatic or heteroaromatic group, or together with L.sup.2, (1-10C) alkyl;

or a pharmaceutically acceptable salt thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **190331-20-5P**
(prepn. of (hetero)arylthioureas and analogs as amyloid .beta.-protein biosynthesis inhibitors)
RN 190331-20-5 USPATFULL
CN Thiourea, N-[4-(2-benzothiazolylthio)phenyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT **190331-20-5P 190331-21-6P**
(prepn. of (hetero)arylthioureas and analogs as amyloid .beta.-protein biosynthesis inhibitors)

L12 ANSWER 4 OF 12 USPATFULL

ACCESSION NUMBER:	1998:95554 USPATFULL
TITLE:	Antifungal agents, processes for the preparation thereof, and intermediates
INVENTOR(S):	Naito, Toshihiko, Ibaraki Prefecture, Japan Hata, Katsura, Ibaraki Prefecture, Japan Kaku, Yumiko, Ibaraki Prefecture, Japan Tsuruoka, Akihiko, Ibaraki Prefecture, Japan Tsukada, Itaru, Ibaraki Prefecture, Japan Yanagisawa, Manabu, Ibaraki Prefecture, Japan Toyosawa, Toshio, Ibaraki Prefecture, Japan Nara, Kazumasa, Ibaraki Prefecture, Japan
PATENT ASSIGNEE(S):	Eisai Co., Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5792781		19980811
APPLICATION INFO.:	US 1996-710668		19960918 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-382158, filed on 1 Feb 1995, now patented, Pat. No. US 5648372		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1994-33268	19940207
	JP 1994-174894	19940705
	JP 1994-208203	19940810
	JP 1994-306467	19941209

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	McKane, Joseph
ASSISTANT EXAMINER:	Lutz, Laura Cross
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack, L.L.P.
NUMBER OF CLAIMS:	5
EXEMPLARY CLAIM:	1
LINE COUNT:	4259

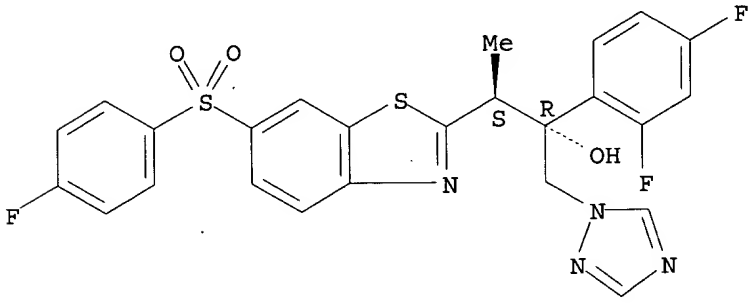
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A compound represented by the general formula: ##STR1## wherein R.sup.1 and R.sup.2 denote a halogen atom or hydrogen atom; R.sup.3 means a hydrogen atom or lower alkyl group; l, r and m stand for 0 or 1; A is N or CH; W denotes an aromatic ring or a condensed ring thereof; X means another aromatic ring, an alkanediyl group, an alkenediyl group, or an alkynediyl group; Y stand for --S--, etc.; Z denotes a hydrogen atom, etc., or a salt thereof, and intermediates thereof or a salt thereof as well as processes for the preparation thereof, and pharmaceutical

composition suitable for use as an antifungal agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **170862-35-8P**
(prepn. of azole antifungal agents)
RN 170862-35-8 USPATFULL
CN 2-Benzothiazoleethanol, .alpha.-(2,4-difluorophenyl)-6-[(4-fluorophenyl)sulfonyl]-.beta.-methyl-.alpha.-(1H-1,2,4-triazol-1-ylmethyl)-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **170862-35-8P 170863-04-4P 170863-05-5P**
170863-06-6P
(prepn. of azole antifungal agents)

L12 ANSWER 5 OF 12 USPATFULL

ACCESSION NUMBER:	1998:92050 USPATFULL
TITLE:	Antifungal agents, processes for the preparation thereof, and intermediates
INVENTOR(S):	Naito, Toshihiko, Ibaraki Perfecture, Japan Hata, Katsura, Ibaraki Perfecture, Japan Kaku, Yumiko, Ibaraki Perfecture, Japan Tsuruoka, Akihiko, Ibaraki Perfecture, Japan Tsukada, Itaru, Ibaraki Perfecture, Japan Yanagisawa, Manabu, Ibaraki Perfecture, Japan Toyosawa, Toshio, Ibaraki Perfecture, Japan Nara, Kazumasa, Ibaraki Perfecture, Japan
PATENT ASSIGNEE(S):	Eisai Co., Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5789429		19980804
APPLICATION INFO.:	US 1997-810283		19970303 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-382158, filed on 1 Feb 1995, now patented, Pat. No. US 5648372		

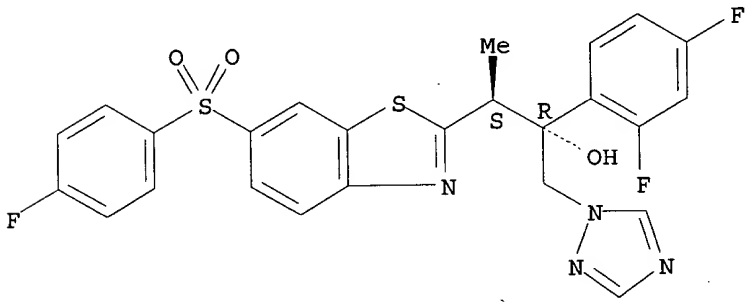
	NUMBER	DATE
PRIORITY INFORMATION:	JP 1994-33268	19940207
	JP 1994-174894	19940715
	JP 1994-208203	19940810
	JP 1994-306467	19941209

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Richter, Johann
ASSISTANT EXAMINER:	Cross Lutz, Laura R.

LEGAL REPRESENTATIVE: Wenderoth, Lind & Ponack, L.L.P.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 4253
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A compound represented by the general formula: ##STR1## wherein R.sup.1 and R.sup.2 denote a halogen atom or hydrogen atom; R.sup.3 means a hydrogen atom or lower alkyl group; l, r and m stand for 0 or 1; A is N or CH; W denotes an aromatic ring or a condensed ring thereof; X means another aromatic ring, an alkanediyl group, an alkenediyl group, or an alkynediyl group; Y stand for --S--, etc.; Z denotes a hydrogen atom, etc., or a salt thereof, and intermediates thereof or a salt thereof as well as processes for the preparation thereof, and pharmacetical composition suitable for use as an antifungal agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **170862-35-8P**
(prepn. of azole antifungal agents)
RN 170862-35-8 USPATFULL
CN 2-Benzothiazoleethanol, .alpha.-(2,4-difluorophenyl)-6-[(4-fluorophenyl)sulfonyl]-.beta.-methyl-.alpha.-(1H-1,2,4-triazol-1-ylmethyl)-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **170862-35-8P 170863-04-4P 170863-05-5P**
170863-06-6P
(prepn. of azole antifungal agents)

L12 ANSWER 6 OF 12 USPATFULL
ACCESSION NUMBER: 97:61703 USPATFULL
TITLE: Antifungal agents, and compositions
INVENTOR(S): Naito, Toshihiko, Ibaraki, Japan
Hata, Katsura, Ibaraki, Japan
Kaku, Yumiko, Ibaraki, Japan
Tsuruoka, Akihiko, Ibaraki, Japan
Tsukada, Itaru, Ibaraki, Japan
Yanagisawa, Manabu, Ibaraki, Japan
Toyosawa, Toshio, Ibaraki, Japan
Nara, Kazumasa, Ibaraki, Japan
PATENT ASSIGNEE(S): Eisai Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5648372		19970715	
APPLICATION INFO.:	US 1995-382158		19950201	(8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1994-33268	19940207
	JP 1994-174894	19940705
	JP 1994-208203	19940810
	JP 1994-306467	19941209

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Richter, Johann
ASSISTANT EXAMINER: Cross, Laura R.
LEGAL REPRESENTATIVE: Wenderoth, Lind & Ponack
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 3976
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A compound represented by the general formula: ##STR1## wherein R.sup.1 and R.sup.2 denote a halogen atom or hydrogen atom; R.sup.3 means a hydrogen atom or lower alkyl group; l, r and m stand for 0 or 1; A is N or CH; W denotes an aromatic ring or a condensed ring thereof; X means another aromatic ring, an alkanediyl group, an alkenediyl group, or an alkynediyl group; Y stand for --S--, etc.; Z denotes a hydrogen atom, etc., or a salt thereof, and intermediates thereof or a salt thereof as well as processes for the preparation thereof, and pharmacetical composition suitable for use as an antifungal agent.

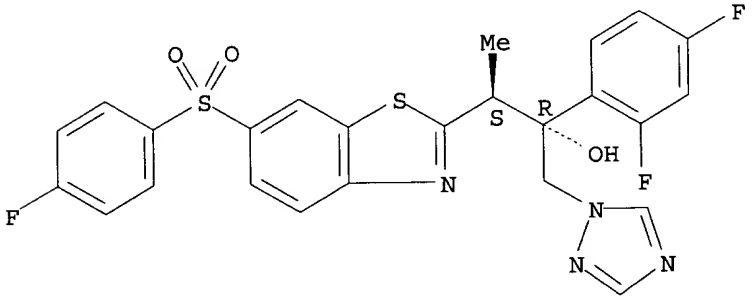
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **170862-35-8P**
(prepn. of azole antifungal agents)

RN 170862-35-8 USPATFULL

CN 2-Benzothiazoleethanol, .alpha.-(2,4-difluorophenyl)-6-[(4-fluorophenyl)sulfonyl]-.beta.-methyl-.alpha.-(1H-1,2,4-triazol-1-ylmethyl)-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **170862-35-8P 170863-04-4P 170863-05-5P**
170863-06-6P
(prepn. of azole antifungal agents)

L12 ANSWER 7 OF 12 USPATFULL

ACCESSION NUMBER:	97:36197 USPATFULL
TITLE:	Chemical compounds as inhibitors of amyloid beta protein production
INVENTOR(S):	Reel, Jon K., Carmel, IN, United States Simon, Richard L., Greenwood, IN, United States Whitesitt, Celia A., Greenwood, IN, United States
PATENT ASSIGNEE(S):	Eli Lilly and Company, Indianapolis, IN, United States

(U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5624937		19970429	
APPLICATION INFO.:	US 1995-397466		19950302	(8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ivy, C. Warren
ASSISTANT EXAMINER: Huang, Evelyn
LEGAL REPRESENTATIVE: Palmberg, Arleen, Hay, Martin A., Boone, David E.
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 946
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A compound of the formula I in which ##STR1## Z is O or S; R.sup.11 is a halogen atom;

R.sup.12 is a halogen atom or a trifluoromethyl group; and

X is S, SO, SO.sub.2, O or NH;

R.sup.4 is naphthyl, quinolinyl, benzimidazolyl, pyridyl, pyradazinyl, benzoxazolyl or benzothiazolyl, unsubstituted or substituted by one or two substituents selected from a halogen atom, (1-4C)alkyl, (1-4C)alkoxy, nitro, (1-4C)alkoxycarbonyl, halo(1-4C)alkyl, and phenyl;

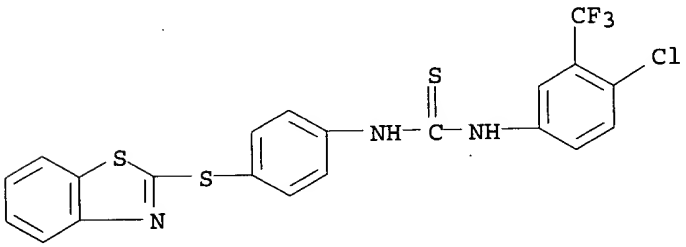
or a pharmaceutically acceptable salt thereof.

The compounds are useful as inhibitors of amyloid beta-protein production.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **190331-20-5P**
(prepn. of N-[4-(heterocyclylthio)phenyl]-N'-phenylureas and -thioureas as inhibitors of amyloid beta-protein prodn.)

RN 190331-20-5 USPATFULL
CN Thiourea, N-[4-(2-benzothiazolylthio)phenyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT **190331-20-5P 190331-21-6P**
(prepn. of N-[4-(heterocyclylthio)phenyl]-N'-phenylureas and -thioureas as inhibitors of amyloid beta-protein prodn.)

L12 ANSWER 8 OF 12 USPATFULL
ACCESSION NUMBER: 90:11337 USPATFULL
TITLE: 2-Pyridinyl-phenyl-sulphinyl-and-phenyl-thio-benzimidazoles having antiflammatory or gastic acid

secretion inhibition activity

INVENTOR(S): Cox, David, Loughborough, England
Dowlatshahi, Hossein A., Loughborough, England
Hall, David E., Wymeswold, England
Ingall, Anthony H., Loughborough, England
Suschitzky, John L., Loughborough, England
PATENT ASSIGNEE(S): Fisons plc, Ipswich, England (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4900751		19900213
APPLICATION INFO.:	US 1987-100584		19870924 (7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1986-918832, filed on 14 Oct 1986, now patented, Pat. No. US 4851419, issued on 25 Jul 1989

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1986-23299	19860927
	GB 1986-23301	19860927
	GB 1987-5017	19870304
	GB 1987-19644	19870820

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Fan, Jane T.
LEGAL REPRESENTATIVE: Marshall, O'Toole, Gerstein, Murray & Bicknell
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 2269

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of formula I, ##STR1## in which A is a 5 or 6 membered, fully unsaturated, carbocyclic or heterocyclic ring,

B is a 5 or 6 membered, fully unsaturated, nitrogen containing heterocyclic ring,

X is NR.sub.19, O or S,

R.sub.19 is hydrogen or alkyl optionally substituted by --OCOR,

n is 0 or 1,

R.sub.3, R.sub.4, R.sub.5, R.sub.6, R.sub.7, R.sub.8, R.sub.9 and R.sub.10 have various significances,

R.sub.1 and R.sub.2, are hydrogen or alkyl or together with the ring carbon atoms to which they are attached, form a benzene or pyridine ring, which ring carries substituents R.sub.15, R.sub.16, R.sub.17 and R.sub.18,

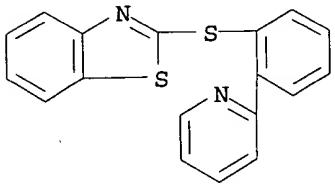
R.sub.15, R.sub.16, R.sub.17 and R.sub.18, have various

significances, with certain provisos are described.

Processes for making the compounds and pharmaceutical formulations containing them, e.g. for the treatment of conditions including excess gastric acid secretion, are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **112903-43-2P**

(prepn. and oxidn. of)
RN 112903-43-2 USPATFULL
CN Benzothiazole, 2-[[2-(2-pyridinyl)phenyl]thio]- (9CI) (CA INDEX NAME)



IT **112903-43-2P**
(prepn. and oxidn. of)
IT **112951-73-2P**
(prepn. of, as cytoprotective agent, for treatment of ulcers and inflammation)

L12 ANSWER 9 OF 12 USPATFULL
ACCESSION NUMBER: 89:60886 USPATFULL
TITLE: Certain 2-pyridinyl-phenylsulfinyl-benzoxazoles, the corresponding benzothiazoles or benzimidazoles having anti-inflammatory or gastric acid secretion inhibition activity
INVENTOR(S): Cox, David, Loughborough, England
Hall, David E., Loughborough, England
Ingall, Anthony H., Loughborough, England
Suschitzky, John L., Loughborough, England
PATENT ASSIGNEE(S): Fisons plc, Ipswich, England (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4851419		19890725	
APPLICATION INFO.:	US 1986-918832		19861014	(6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1985-25452	19851016
	GB 1985-25454	19851016
	GB 1986-21768	19860910

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rotman, Alan L.
LEGAL REPRESENTATIVE: Marshall, O'Toole, Gerstein, Murray & Bicknell
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1,6
LINE COUNT: 1055
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described compounds of formula I, ##STR1## in which A is a benzene or heterocyclic ring, y is 0 or 1,

L is a group containing 1 or 2 carbon atoms, or is a single bond,

R.sub.9 and R.sub.10 have a variety of significances, e.g.

R.sub.10 may form part of a double bond with L, or

the group --NR.sub.9 R.sub.10 forms a ring carrying substituents R.sub.1

and R.sub.8, or

when L is a single bond --NR.sub.10 and R.sub.8 may form a ring carrying substituents R.sub.16 to R.sub.25, or

the group --LNR.sub.9 R.sub.10 forms a heterocyclic ring carrying substituents R.sub.26 to R.sub.33,

R.sub.1 to R.sub.8 and R.sub.16 to R.sub.33 have a variety of significances

n is 0, 1 or 2,

x is 3, 4 or 5,

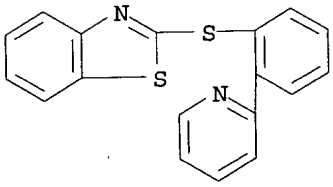
X is S, O or NR.sub.15,

R.sub.15 is hydrogen, --COR, --COOR or alkyl optionally substituted by --OCOR,

and certain provisos.

Processes for making the compounds and pharmaceutical formulations containing them, e.g. for the treatment of conditions involving excess gastric acid secretion, are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **112903-43-2P**
(prepn. and oxidn. of)
RN 112903-43-2 USPATFULL
CN Benzothiazole, 2-[[2-(2-pyridinyl)phenyl]thio]- (9CI) (CA INDEX NAME)



IT **112903-43-2P**
(prepn. and oxidn. of)
IT **112951-73-2P**
(prepn. of, as cytoprotective agent, for treatment of ulcers and inflammation)

L12 ANSWER 10 OF 12 USPATFULL
ACCESSION NUMBER: 86:59331 USPATFULL
TITLE: Silver halide color photographic light-sensitive material
INVENTOR(S): Ichijima, Seiji, Kanagawa, Japan
Usui, Hideo, Kanagawa, Japan
Deguchi, Naoyasu, Kanagawa, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

NUMBER	KIND	DATE

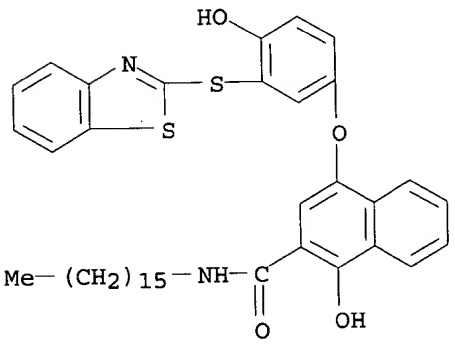
PATENT INFORMATION: US 4618571 19861021
APPLICATION INFO.: US 1985-705473 19850225 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1984-33059	19840223

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Downey, Mary F.
LEGAL REPRESENTATIVE: Sughrue, Mion, Zinn, Macpeak & Seas
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1
LINE COUNT: 1839
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A silver halide color photographic light-sensitive material comprising a support having thereon at least one silver halide emulsion layer, the color photographic light-sensitive material containing a coupler which releases a compound after the coupling reaction with the oxidation product of a developing agent, the released compound being capable of releasing further a photographically useful group by an oxidation-reduction reaction with the oxidation product of another developing agent. The compound used in the present invention is chemically stable and can release a photographically useful group under control; therefore the silver halide color photographic light-sensitive material containing the compound has good stability during storage and high sensitivity and provides a color image having good image qualities such as sharpness, graininess, color reproducibility, etc.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **101208-40-6**
(photog. development inhibitor-releasing coupler)
RN 101208-40-6 USPATFULL
CN 2-Naphthalenecarboxamide, 4-[3-(2-benzothiazolylthio)-4-hydroxyphenoxy]-N-hexadecyl-1-hydroxy- (9CI) (CA INDEX NAME)



IT **101208-40-6**
(photog. development inhibitor-releasing coupler)

L12 ANSWER 11 OF 12 USPATFULL
ACCESSION NUMBER: 81:37017 USPATFULL
TITLE: Magenta-masked color azopyrazolinone couplers
INVENTOR(S): Whitear, Brian R. D., Hutton, England
PATENT ASSIGNEE(S): Ciba-Geigy AG, Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4277398		19810707
APPLICATION INFO.:	US 1979-64660		19790808 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1977-843628, filed on 19 Oct 1977, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1976-47423	19761115

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Doll, John
LEGAL REPRESENTATIVE: Sprung, Felfe, Horn, Lynch & Kramer
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 377

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

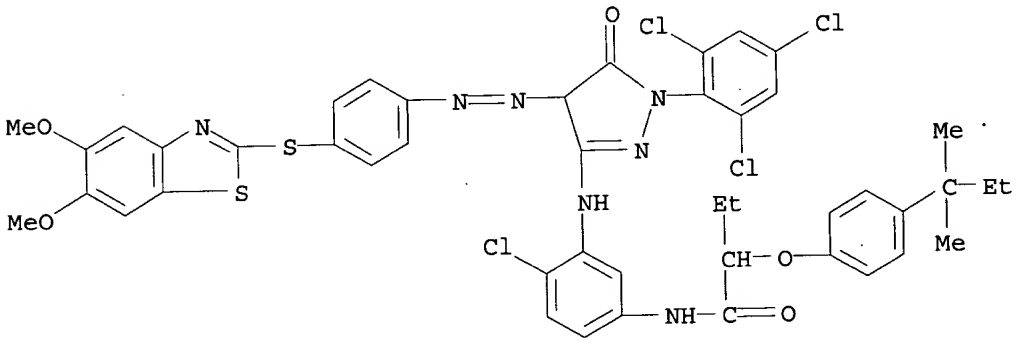
AB Orange colored magenta color couplers of the general formula ##STR1## are provided, in which R is optionally substituted alkyl, aralkyl, aryl or a heterocyclic group, X is optionally substituted aryl, Y is optionally substituted acyl-amino, aroyl amino or aryl amino and Z represents further optional substituents of the phenyl ring. Preferably Y also contains a ballasting group, which is a long claim alkyl group having 10 to 24 carbon atoms in the chain.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **67178-62-5P**
(manuf. of, as masked magenta coupler for photog.)

RN 67178-62-5 USPATFULL

CN Butanamide, N-[4-chloro-3-[[4-[[4-[(5,6-dimethoxy-2-benzothiazolyl)thio]phenyl]azo]-4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]amino]phenyl]-2-[4-(1,1-dimethylpropyl)phenoxy]- (9CI) (CA INDEX NAME)



IT **67178-62-5P 67202-97-5P**
(manuf. of, as masked magenta coupler for photog.)

L12 ANSWER 12 OF 12 USPATFULL

ACCESSION NUMBER:	75:52592 USPATFULL
TITLE:	Fogged, direct positive silver halide emulsion sensitized with a nitrophenyl mercapto heterocyclic compound
INVENTOR(S):	Shiba, Keisuke, Kanagawa, Japan Hinata, Masanao, Kanagawa, Japan

Ohi, Reiichi, Kanagawa, Japan
Shishido, Tadao, Kanagawa, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3910795		19751007
APPLICATION INFO.:	US 1973-426146		19731219 (5)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1972-127575	19721219

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Louie, Jr., Won H.
LEGAL REPRESENTATIVE: Sughrue, Rothwell, Mion, Zinn & Macpeak
NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
LINE COUNT: 534
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A silver halide photographic emulsion for direct positives, containing at least one compound represented by the general formula (I), ##SPC1##

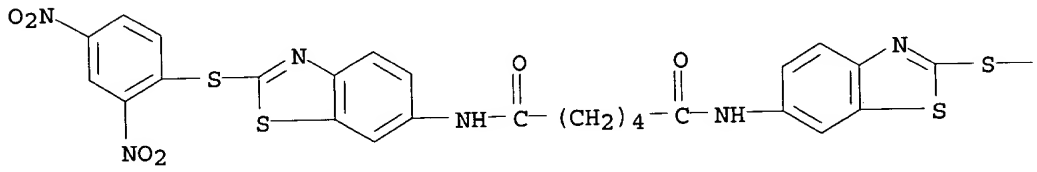
in which Z represents a group of non-metallic atoms necessary for forming a heterocyclic ring and n represents an integer of from 1 to 3.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

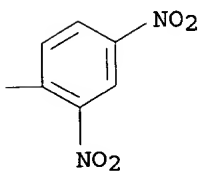
IT **54188-92-0**
(photog. sensitizer, for direct-pos. emulsions)

RN 54188-92-0 USPATFULL
CN Hexanediamide, N,N'-bis[2-[(2,4-dinitrophenyl)thio]-6-benzothiazolyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



IT **54188-92-0**
(photog. sensitizer, for direct-pos. emulsions)

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L1                STRUCTURE UPLOADED
L2             30 S L1 SAM
L3            447 S L1 FULL

     FILE 'CA' ENTERED AT 14:29:12 ON 20 NOV 2001
L4             52 S L3
L5         750639 S PHARM? OR DRUG?
L6              2 S L4 AND L5
L7         297393 S DIABE? OR HYPERCHOLEST? OR LIPOPRO? OR TRIGLYCER? OR INFLAMM?
L8              2 S L7 AND L4
L9              2 S L7 AND L8
L10        297393 S L7 OR L8
L11             4 S L8 OR L6

     FILE 'USPATFULL' ENTERED AT 14:31:20 ON 20 NOV 2001
L12            12 S L3

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---Logging off of STN---


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Executing the logoff script...

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